



Streamstats Ungaged Site Report

Date: Fri Jan 20 2012 13:48:05 Mountain Standard Time

Site Location: Idaho

NAD27 Latitude: 45.8298 (45 49 47)

NAD27 Longitude: -115.9315 (-115 55 53)

NAD83 Latitude: 45.8297 (45 49 47)

NAD83 Longitude: -115.9325 (-115 55 57)

Drainage Area: 36.64 mi²

Percent Urban: 0 %

Percent Impervious: 0.0844 %

Peak-Flow Basin Characteristics

100% Peak Flow Region 4 (36.6 mi²)

Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	36.6	2.3	13418.3
Mean Basin Elevation (feet)	5040	2955.8	7461.3

Low-Flow Basin Characteristics

100% Low Flow Region 4 (36.6 mi²)

Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	36.6	4	5507.9
Mean Basin Slope from 30m DEM (percent)	28.4	18.7	57.2
Mean Annual Precipitation (inches)	33.8	15.9	65.6
Mean Basin Elevation (feet)	5040	3528.6	7461.3
Percent Forest (percent)	91	4.8	93

Zero-Flow Probability Basin Characteristics

100% Low Flow Region 4 Prob Zero Flow (36.6 mi²)

Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	36.6	4	5508
Mean Annual Precipitation (inches)	33.8	15.9	65.6
Dev Land percentage (percent)	0	0	0.126

Monthly and Annual Basin Characteristics

100% Low Flow Region 4 (36.6 mi²)

Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	36.6	4	5507.9
Mean Basin Slope from 30m DEM (percent)	28.4	18.7	57.2
Mean Annual Precipitation (inches)	33.8	15.9	65.6
Mean Basin Elevation (feet)	5040	3528.6	7461.3
Percent Forest (percent)	91	4.8	93

Peak-Flow Streamflow Statistics

Statistic	Flow (ft ³ /s)	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
PK1_5	268	73		89.7	800
PK2	334	67		121	920
PK2_33	366	64		137	978
PK5	513	56		213	1230

PK10	642	52		282	1460
PK25	818	49		374	1790
PK50	949	48		442	2040
PK100	1090	47		509	2310
PK200	1230	47		577	2610
PK500	1440	47		676	3080

Low-Flow Streamflow Statistics

Statistic	Flow (ft ³ /s)	Estimation Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
M1D10Y	2.07	120			
M7D10Y	2.46	120			
M7D2Y	4.4	83			
M30D5Y	3.7	93			

If the Zero-Flow Probability Basin Characteristics given above are within the valid range and one of the probabilities below is greater than 1/n where n is the recurrence interval in years (i.e. 0.1 for M1D10Y or M7D10Y, 0.2 for M30D5Y, or 0.5 for M7D2Y), then the flow estimate for the corresponding flow statistic is zero (0), and 0 should be used instead of the above low-flow estimate derived using regression equations. Also note that Wood and others (2009) presented alternative regression equations for 7-day 2-year low flow (M7D2Y) better suited to extrapolation to small streams, and used those equations to model perennial streams. The perennial streams model results may be viewed in the interactive map by turning on the Perennial Streams Model layer in the Map Contents listing.

Zero-Flow Probability Statistics		
Statistic	Value	Standard Error (percent)
PROB_1DAY	0.00206	
PROB_7DAY	0.00142	
PROB_30DAY	0.000698	

Monthly and Annual Streamflow Statistics

Statistic	Flow (ft ³ /s)	Estimation Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
QA	40.8	33			
JAND20	21.6	41			
JAND50	11.2	50			
JAND80	7.16	52			
FEBD20	29.3	39			
FEBD50	15.5	43			
FEBD80	9.11	47			
MARD20	51.6	43			
MARD50	26.9	44			
MARD80	14.1	53			
APRD20	169	35			
APRD50	101	42			
APRD80	62.4	55			
MAYD20	199	35			
MAYD50	125	56			
MAYD80	70.1	58			
JUND20	90.5	60			
JUND50	52.2	65			
JUND80	26.3	56			
JULD20	23.4	53			
JULD50	14.2	54			
JULD80	8.71	70			
AUGD20	9.18	62			

AUGD50	6.43	78				
AUGD80	4.45	97				
SEPD20	7.85	65				
SEPD50	5.63	73				
SEPD80	4.21	95				
OCTD20	9.63	52				
OCTD50	6.94	60				
OCTD80	5.21	65				
NOVD20	14.6	47				
NOVD50	8.67	51				
NOVD80	6.61	56				
DECD20	19.4	56				
DECD50	10.5	50				
DECD80	7.12	57				